

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version with Markings to Show Changes Made."**

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Sol Sheinbein', written in a cursive style.

Sol Sheinbein  
Registration No. 25,457

Date: April 27, 2003

**VERSION WITH MARKINGS TO SHOW CHANGES MADE**

**In the Claims:**

**Claims 1-9 have been amended.**

1 (Amended). A ~~purified~~ An~~;~~ isolated ~~and cloned~~ DNA sequence ~~partially comprising a polynucleotide encoding a functional portion of a polypeptide component selected from the group consisting of SEQ ID Nos: 1, 3-19 wherein said polypeptide is required for the synthesis of antibiotic TA.~~

2 (Amended). ~~The~~ An isolated DNA sequence according to claim 1, wherein said polynucleotide has a sequence ~~is isolated from *Myxococcus xanthus* as set forth in and one of SEQ ID NOs: 2 and 20.~~

3 (Amended). A ~~purified,~~ An isolated ~~and cloned~~ DNA sequence ~~consisting of a~~ according to claim 2, wherein said DNA sequence encoding a polypeptide component required for postmodification of antibiotic TA is SEQ ID NOs: 2 or 20.

4 (Amended). ~~The~~ A vector comprising the DNA sequence according to claim 3, ~~wherein said sequence is isolated from *Myxococcus xanthus* claims 1 or 2.~~

5 (Amended). A ~~purified, isolated and cloned~~ DNA sequence ~~consisting of a vector, according to claim 4, further comprising a promoter sequence operatively linked to said DNA sequence encoding a gene product involved in the regulation of the biosynthesis of antibiotic TA.~~

6 (Amended). ~~The DNA sequence~~ A host cell transformed with the vector according to claim 5, ~~wherein said sequence is isolated from *Myxococcus xanthus*.~~

7 (Amended). ~~A purified, isolated and cloned DNA sequence consisting of a DNA sequence (SEQ. ID No: 1 and 2) encoding a polypeptide component required for encoding the TA gene cluster. An *E. coli* host cell transformed with the vector according to claim 5.~~

8 (Amended). ~~The DNA sequence of Seq. ID No:1 and 2 altered by point mutations, deletions or insertions such as the resulting amino acid sequence is truncated.~~ A method of making a polypeptide comprising the following steps:

- c) culturing a host cell according to Claim 6 under such conditions that the encoded polypeptide is expressed, and
- d) isolating said encoded polypeptide.

9 (Amended). ~~A transformed *E coli* carrying Seq. ID No:1 and 2.~~ An isolated polypeptide required for the synthesis of antibiotic TA, said polypeptide having a sequence as set forth in and one of SEQ ID Nos: 1, 3-19.